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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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of

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| Complete if Known | |
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| Application Number | 10/678,506 |
| Filing Date | October 2, 2003 |
| First Named Inventor | Richard J. Melker |
| Group Art Unit | 1641 |
| Examiner Name | Jacqueline A. DiRamio |
| Attorney Docket Number | UF-378C1 |

U.S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | U.S. Patent Document | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|-----------------------------|--------------------|--------------------------------|---|---|
| | | Number Code ² | Kind (if known) | | | |
| JAD | U1 | 3,792,272 | | 02-12-1974 | Harte et al. | |
| JAD | U2 | 3,649,199 | | 03-14-1972 | Littlejohn | |
| JAD | U3 | 3,951,607 | | 04-20-1976 | Fraser | |
| JAD | U4 | 4,150,670 | | 04-24-1979 | Jewett et al. | |
| JAD | U5 | 4,215,409 | | 07-29-1980 | Strowe | |
| JAD | U6 | 4,314,564 | | 02-09-1982 | Albarda | |
| JAD | U7 | 4,346,584 | | 08-31-1982 | Boehringer | |
| JAD | U8 | 4,432,226 | | 02-21-1984 | Dempster | |
| JAD | U9 | 4,456,014 | | 06-26-1984 | Buck et al. | |
| JAD | U10 | 4,735,777 | | 04-05-1988 | Mitsui et al. | |
| JAD | U11 | 4,796,639 | | 01-10-1989 | Snow et al. | |
| JAD | U12 | 4,868,545 | | 09-19-1989 | Jones | |
| JAD | U13 | 5,003,985 | | 04-02-1991 | White et al. | |
| JAD | U14 | 5,082,630 | | 01-21-1992 | Partin et al. | |
| JAD | U15 | 5,094,235 | | 03-10-1992 | Westenskow et al. | |
| JAD | U16 | 5,111,827 | A | 05-12-1992 | Rantala | |
| JAD | U17 | 5,167,972 | A | 12-01-1992 | Greenberg et al. | |
| JAD | U18 | 5,296,706 | A | 03-22-1994 | Braig et al. | |
| JAD | U19 | 5,303,575 | A | 04-19-1994 | Brown et al. | |
| JAD | U20 | 5,317,156 | A | 05-31-1994 | Cooper et al. | |
| JAD | U21 | 5,361,771 | A | 11-08-1994 | Craine et al. | - claim 6 |
| JAD | U22 | 5,409,839 | A | 04-25-1995 | Balestrieri et al. | |
| JAD | U23 | 5,425,374 | A | 06-20-1995 | Ueda et al. | - claim 6 |
| JAD | U24 | 5,447,165 | A | 09-05-1995 | Gustafsson | |
| JAD | U25 | 5,453,359 | A | 09-26-1995 | Gargan et al. | |
| JAD | U26 | 5,465,608 | A | 11-14-1995 | Lokshin et al. | - SAW |
| JAD | U27 | 5,466,700 | A | 11-14-1995 | Batenhorst et al. | |

Examiner
Signature

Jacqueline A. DiRamio

Date
Considered

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| U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------|-----------------------|-----------------------------|--------------------|--------------------------------|---|---|
| Examiner Initials* | Cite No. ¹ | U.S. Patent Document | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number Code ² | Kind (if known) | | | |
| JAD | U28 | 5,495,744 | A | 03-05-1996 | Ueda et al. | |
| JAD | U29 | 5,501,212 | A | 03-26-1996 | Psaros | |
| JAD | U30 | 5,558,083 | A | 09-24-1996 | Bathe et al. | |
| JAD | U21 | 5,560,352 | A | 10-01-1996 | Heim et al. | |
| JAD | U32 | 5,571,401 | A | 11-05-1996 | Lewis et al. | |
| JAD | U33 | 5,573,005 | A | 11-12-1996 | Ueda et al. | |
| JAD | U34 | 5,573,955 | A | 11-12-1996 | Khanna et al. | |
| JAD | U35 | 5,634,517 | A | 06-03-1997 | Linden et al. | |
| JAD | U36 | 5,716,852 | A | 02-10-1998 | Yager et al. | |
| JAD | U37 | 5,771,890 | A | 06-30-1998 | Tamada | |
| JAD | U38 | 5,776,783 | A | 07-07-1998 | Kell | |
| JAD | U39 | 5,795,787 | A | 08-18-1998 | Silkoff et. al. | |
| JAD | U40 | 5,801,297 | A | 09-01-1998 | Mifsud et al. | |
| JAD | U41 | 5,826,577 | A | 10-27-1998 | Perroz et al. | |
| JAD | U42 | 5,866,434 | A | 02-02-1999 | Massey et al. | * |
| JAD | U43 | 5,891,398 | A | 04-06-1999 | Lewis et al. | * -no nano. |
| JAD | U44 | 5,925,014 | A | 07-20-1999 | Teeple Jr. | |
| JAD | U45 | 5,928,167 | A | 07-27-1999 | Wagner et al. | |
| JAD | U46 | 5,932,877 | A | 08-03-1999 | Braig et al. | |
| JAD | U47 | 5,958,896 | A | 09-28-1999 | Renshaw et al. | |
| JAD | U48 | 5,962,335 | A | 10-05-1999 | Katzman | |
| JAD | U49 | 6,007,775 | A | 12-28-1999 | Yager | |
| JAD | U50 | 6,025,200 | A | 02-15-2000 | Kaish et. al | |
| JAD | U51 | 6,074,345 | A | 06-13-2000 | Van Oostrom et al. | |
| JAD | U52 | 6,094,681 | | 07-25-2000 | Shaffer et al. | |
| JAD | U53 | 6,097,485 | A | 08-01-2000 | Lievan | |
| JAD | U54 | 6,120,443 | A | 09-19-2000 | Cohen-Laroque | |
| JAD | U55 | 6,131,571 | A | 10-17-2000 | Lampotang et al. | |

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|--------------------|-----------------------|-----------------------------|--------------------|--------------------------------|---|---|
| | | Number Code ² | Kind (if known) | | | |
| JAD | U56 | 6,180,414 | B1 | 01-30-2001 | Katzman | |
| JAD | U57 | 6,186,977 | B1 | 02-13-2001 | Andrews et al. | |
| JAD | U58 | 6,216,690 | B1 | 04-17-2001 | Keitel et al. | |
| JAD | U59 | 6,234,006 | B1 | 05-22-2001 | Sunshine et al. | |
| JAD | U60 | 6,237,397 | B1 | 05-29-2001 | Shinar et al. | |
| JAD | U61 | 6,251,082 | B1 | 06-26-2001 | Rayburn | |
| JAD | U62 | 6,264,913 | B1 | 07-24-2001 | Wagner | |
| JAD | U63 | 6,277,081 | B1 | 08-21-2001 | Susi et al. | |
| JAD | U64 | 6,283,953 | B1 | 09-04-2001 | Ayer et al. | |
| JAD | U65 | 6,328,708 | B1 | 12-11-2001 | Georgieff | |
| JAD | U66 | 6,341,520 | B1 | 01-29-2002 | Satoh et al. | |
| JAD | U67 | 6,416,479 | B1 | 07-09-2002 | Seidman | |
| JAD | U68 | 6,455,319 | B1 | 09-24-2002 | Lewis et al. | |
| JAD | U69 | 6,467,333 | B2 | 10-22-2002 | Lewis et al. | |
| JAD | U70 | 6,511,453 | B2 | 01-28-2003 | Georgieff | |
| JAD | U71 | 6,558,626 | B1 | 05-06-2003 | Aker et al. | |
| JAD | U72 | 6,589,727 | B1 | 07-08-2003 | Klenerman et al. | |
| JAD | U73 | 6,597,438 | B1 | 07-22-2003 | Cabuz et al. | |
| JAD | U74 | 6,598,459 | B1 | 07-29-2003 | Fu | |
| JAD | U75 | 6,599,253 | B1 | 07-29-2003 | Baum et al. | |
| JAD | U76 | 6,599,281 | B1 | 07-29-2003 | Struys et al. | |
| JAD | U77 | 6,620,800 | B1 | 09-16-2003 | Roberts II | |
| JAD | U78 | 6,631,333 | B1 | 10-07-2003 | Lewis et al. | |
| JAD | U79 | 6,727,075 | B2 | 04-27-2004 | Fitzgerald et al. | |
| JAD | U80 | 6,755,783 | B2 | 06-29-2004 | Cosentino et al. | |
| JAD | U81 | 2001/0041366 | A1 | 11-15-2001 | Lewis et al. | |
| JAD | U82 | 2001/0021815 | A1 | 09-13-2001 | Katzman et al. | |
| JAD | U83 | 2001/0050228 | A1 | 12-13-2001 | Jaeger | |
| JAD | U84 | 2001/0055544 | A1 | 12-27-2001 | Copp | |
| JAD | U85 | 2002/0007687 | A1 | 01-24-2002 | Zimmermann et al. | |
| JAD | U86 | 2002/0014236 | A1 | 02-07-2002 | Dittmann et al. | |

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Signature*Jacqueline A. DiRamio*Date
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| | | Number Code ² | Kind (if known) | | | |
| JAD | U87 | 2002/0017300 | A1 | 02-14-2002 | Hickle et al. | |
| JAD | U88 | 2002/0173729 | A1 | 11-21-2002 | Viertio-Oja et al. | |
| JAD | U89 | 2003/0004426 | A1 | 01-02-2003 | Melker et. al. | |
| JAD | U90 | 2003/0008407 | A1 | 01-09-2003 | Fu | * markers |
| JAD | U91 | 2003/0087239 | A1 | 05-08-2003 | Stanton et al. | |
| JAD | U92 | 2003/0216660 | A1 | 11-20-2003 | Ben-Oren et al. | |
| JAD | U93 | 2004/0027246 | A1 | 02-12-2004 | Auguglia | |
| JAD | U94 | 2004/0101477 | A1 | 05-27-2004 | Leyland-Jones | |
| JAD | U95 | 2005/0065446 | A1 | 03-24-2005 | Talton | |
| JAD | U96 | 09/708,789 (Application No.) | | 11-08-2000 (Date Filed) | Lampotang et al. | |
| | U97 | | | | | |
| | U98 | | | | | |
| | U99 | | | | | |
| | U100 | | | | | |
| | U101 | | | | | |
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| | | Code ⁵ Office ³ known) | Number ⁴ (if | | | |
| JAD | F1 | DE 29902593 | (English Abstract) | Genzyme Virotech GmbH | 08-26-1999 | |
| JAD | F2 | EP 0 370 151 | A1 | L'Air Liquide, S. A. | 05-30-1990 | Abs. only |
| JAD | F3 | EP 0 979 997 | (English Abstract) | A1 Siemens AG | 02-16-2000 | |
| JAD | F4 | GB 829,409 | A | Governors of the United Birmin | 03-02-1960 | Abs. only |
| JAD | F5 | GB 2 309 166 | A | Cleansharp Limited | 07-23-1997 | Abs. only |
| JAD | F6 | GB 2 329 245 | A | Cavkit Limited | 03-17-1999 | Abs. only |
| JAD | F7 | JP 08313407 | (English Abstract) | A Suzuki Motor Corp. | 11-29-1996 | |
| JAD | F8 | JP 09196915 | (English Abstract) | A Otsuka Pharmaceut Co. Ltd. | 07-31-1997 | |
| | F9 | RU 2104535 C1 | (English Abstract) | Kogan et. al. | 02-10-1998 | |
| JAD | F10 | WO 87/02773 | A1 | Autosense Corp. | 05-07-1987 | Abs. only |
| JAD | F11 | WO 92/10749 | A1 | Novapure Corporation | 06-25-1992 | Abs. only |
| JAD | F12 | WO 95/08113 | A1 | Alpha M.O.S. | 03-23-1995 | Abs. only |
| JAD | F13 | WO 95/31718 | A1 | Forschungszentrum Karlsruhe GmbH | 11-23-1995 | Abs. only |
| JAD | F14 | WO 99/12471 | A3 | Oridion Medical Ltd. | 03-18-1999 | Abs. only |
| JAD | F15 | WO 99/66304 | A1 | California Institute of Technology | 12-23-1999 | Abs. only |
| JAD | F16 | WO 00/25108 | A1 | Copp Life Systems | 05-04-2000 | Abs. only |
| JAD | F17 | WO 00/67820 | A1 | Aneo AB | 11-16-2000 | Abs. only |
| JAD | F18 | WO 01/34024 | A1 | University of Florida | 05-17-2001 | Abs. only |

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| JAD | F19 | | WO 01/93743 | A2 | Healthtech, Inc. | 12-13-2001 |
| JAD | F20 | | WO 03/045473 | A1 | Mufa Ag | 06-05-2003 |

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| JAD | R3 | FUJITA et. al., "A Simple Method for Detecting Plasma Propofol," <i>Anesth. Analog.</i> , 2000, 90:1452-1454. | | | | |
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| JAD | R5 | HUANG et. al., "Depth of Anesthesia Estimating & Propofol Delivery System," Aug. 1, 1996, http://www.rpi.edu/~royr/roy_descpt.html . | | | | |
| JAD | R6 | JAYASENA, "Aptamers: An Emerging Class of Molecules That Rival Antibodies in Diagnostics," <i>Clinical Chemistry</i> , 1999, 45(9):1628-1650. | | | | |
| JAD | R7 | KENNY, "Target-Controlled Infusions —Pharmacokinetic and Pharmacodynamic Variations," http://www.anesthesiologie.med.uni-erlangen.de/esctaic97/a_kenny.htm . | | | | |

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| Examiner Signature | <i>Jacqueline A. DiRamio</i> | Date Considered | 9-19-05 |
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| Sheet | 7 | of | 7 | First Named Inventor | Richard J. Melker |
| | | | | Group Art Unit | 1641 |
| | | | | Examiner Name | Jacqueline A. DiRamio |
| | | | | Attorney Docket Number | UF-378C1 |

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| JAD | R16 | STUART, B. H. et al., "Studies of Adipocere Using Diffuse Reflectance Infrared Spectroscopy," <i>Vibrational Spectroscopy</i> , 24:233-242, (2000). | |
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| JAD | R18 | U.S. FOOD AND DRUG ADMINISTRATION, "FDA White Paper, Protecting the Public Health: FDA Pursues and Aggressive Enforcement Strategy," www.fda.gov/oc/whitepapers/enforce.html (06-30-2003). | |
| JAD | R19 | U.S. FOOD AND DRUG ADMINISTRATION, "New FDA Initiative to Combat Counterfeit Drugs," www.fda.gov/oc/initiatives/counterfeit/background.html (07-02-2004). | |
| JAD | R20 | UNITED STATES DEPARTMENT OF JUSTICE, "Review of the Drug Enforcement Administration's (DEA) Control of the Diversion of Controlled Pharmaceuticals," Report Number I-2002-010 www.usdoj.gov/oig/inspection/DEA/0210/background.htm (September 2002). | |
| JAD | R21 | VASS, A., "Beyond the Grave – Understanding Human Decomposition," <i>Microbiology Today</i> , Nov. 2001, 28:190-192. | |
| JAD | R22 | VASS, A. et al., "Decomposition Chemistry of Human Remains: A New Methodology for Determining the Postmortem Interval," <i>J. Forensic Sci.</i> , (2002), 47(3):542-553. | |
| JAD | R23 | VASS, A. et al., "Detection of Buried Human Remains Using Bioreporter Fluorescence," U.S. Dept. of Energy Report, Y/NSP-726 (2001). | |

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